

ABSTRACT OF THE DISCLOSURE

The present invention is directed to a stent delivery catheter having a distal shaft section with an inflatable balloon and a first tubular portion or member extending through the interior of the balloon. A length of the first tubular portion extending through the interior of the balloon has a region with a surface which extends outwardly further than an adjacent region of the first tubular portion. This stepped surface facilitates securing the end of the stent mounted on the balloon and minimizes stent movement during handling and intracorporeal deployment. Preferably, the first tubular member has a proximal step-up region and a distal step-down region over which the ends of the stent are crimped.